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Datasheet for ABIN7566283
IL1F10 Protein (AA 1-152) (His tag)

Overview

Quantity:	3 x 10 µg
Target:	IL1F10
Protein Characteristics:	AA 1-152
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1F10 protein is labelled with His tag.

Product Details

Purpose:	IL-38 (human) (rec.) (His)
Cross-Reactivity:	Human
Characteristics:	Human IL-38 (aa 1-152) is fused at the C-terminus to a His-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	IL1F10
Alternative Name:	IL-38 (IL1F10 Products)
Background:	Interleukin-38, Interleukin-1 Family Member 10 theta, IL-1F10, FIL1 theta, FKSG75, IL-1HY2, IL1-theta, Interleukin-1 HY2, Interleukin-1 Receptor Antagonist FKSG75

Target Details

IL-38 (IL-1F10) mRNA is expressed in heart, placenta, fetal liver, spleen, thymus and tonsil. The expression in a variety of immune tissues and similarity to IL-1Ra suggest a role of IL-1F10 in the inflammatory response. It has been reported that removal of the N-terminus domain of the interleukins of the IL-1F family such as IL-1F5 / 6 / 8 or 9 (also called IL-36Ra, IL-36alpha, IL-36beta or IL-36gamma) is important to increase their biological activity. Recently it has been shown that IL-38 is N-terminally processed and secreted by apoptotic cells. Released processed IL-38 (20-152) binds to the receptor Interleukin-1 receptor accessory protein-like 1 (IL1RAPL1, TIGIRR-2) at the surface of macrophages. Processed IL-38-activated IL1RAPL1 reduces the production of IL-6 leading to inflammation attenuation.

Molecular Weight: ~18kDa (SDS-PAGE)

UniProt: [Q8WWZ1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: After reconstitution:for 10 µg size: 0.1 mg/mL

Concentration: Lot specific

Buffer: In 50 mM TRIS-Cl, pH 8.0, containing 150 mM NaCl.

Handling Advice: Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 6 months after receipt when stored at -20°C.Working aliquots are stable for up to 3 months when stored at -20°C.After reconstitution, prepare aliquots and store at -20°C.